

# **Water Resources Task Force: Review and Next Steps**

Presented:  
September 4, 2009

# Objectives

- Present WRTF activities during past year
- Summarize key themes that have emerged
- Review objectives of WRTF
- Consider possible topics for further discussion
- Identify next steps

# 12 Months of Work

- 2 field trips
- 11 meetings
- Covered wide range of water resource topics, including options for future water supply

# Field Trips

- Everglades
  - Urban and Everglades connection
- Water management
  - The regional system
  - The urban system
  - Stormwater as a resource
- Reclaimed water
  - Pompano Beach site visit
  - West Palm Beach site visit

# Water Resources and Water Supply Planning

- How the system works
- Legal and regulatory overview
  - Ocean outfalls
  - Regional Water Availability Rule
- Future water supply planning
  - Population and demand projections
  - Support for regional solutions
  - Diversification encouraged
  - Water conservation as an important tool

# WRTF Planning Considerations

- Population and per capita water demands have substantially decreased
- Updated 20-year demand projection is 20 - 47 MGD
- Treatment capacity exceeds Biscayne allocations
- Opportunities for regional projects exist, with more time to develop options
- Conservation can reduce demands further

# Water Quality Considerations

- Environmental resources
- Water quality standards
- Nutrient criterion under development statewide
- Impaired waterways and TMDLs

# Multi-Jurisdictional Projects

- Panel Recommendations
  - Identify project first
  - Allow interests to prevail over governance
  - Consider the variety of governance options
  - Require cost impact analysis
  - Identify funding sources early



# Regional Options

- The C-51 Reservoir
- Concepts Developed by Tech Team
  - Northeast and Central Broward County
  - Southwest Broward County
  - Southeast Broward County
- Water Conservation

# Major Themes

- Future demands less than initial projections
  - 20 to 50 MGD additional water needed by 2025
- Alternative Water Supplies must be developed
  - Additional investigation and planning could be beneficial
- Potential for Regional Projects exists
  - May produce economies-of-scale
- Ocean Outfall law presents new challenges and opportunities
  - Reuse and water quality requirements
  - Deadlines

# Major Themes (continued)

- Water Conservation can be part of the solution
  - Potential to reduce to future water supply infrastructure needs
- Water Quality regulations are evolving and must be addressed
- Climate change could have future impacts on water supplies
- Other
  - Did we miss anything?

# WRTF Mission

- Work collaboratively to:
  - Identify and evaluate potential regional and sub-regional water supply strategies
  - And give consideration to strategies of appropriate water quality
- With the goal to meet:
  - Future water resource needs, and
  - Water conservation goals, and
  - Objectives of the enabling resolutions.

# WRTF Recommendations – To Date

- Assess technical feasibility of regional project concepts
- Proceed with analysis of C-51 project (2A Scope of Work)
- Pursue County-wide Water Conservation and Incentives Program

# Possible Topics for Further Discussion

- Outfall legislation – implications for other AWS projects
- Reuse - opportunities to promote through land use planning and FDOT projects
- Water conservation – specific strategies

# Next Steps

- Scope of the WRTF report
- Development of Recommendations
- Direction to the Technical Team
- Future Meetings and Schedule

Discussion...